

Curriculum Map (Specialized Courses, Civil Engineering Program) (for students enrolled in 2018)

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	Civil core subject	Laboratory & practice		Common subject							
2022 Spring 8th Semester	Maintenance Engineering (2)	Environment/ Water resource (Min. 10 credits)		Graduation Research (12)							
2021 Fall 7th Semester	Bridge Engineering I · II (1+1)	Introduction to Architecture of Infrastructure and Environment I · II (1+1)		Laboratory Work C (2)							
2021 Spring 6th Semester	Structural Mechanics IIA · IIB (1+1)	Applied Geotechnical Engineering I · II (1+1)	Transportation Planning I · II (1+1)	Basics of Environmental Engineering I · II (1+1)	Hydrosphere Engineering I · II (1+1)	Laboratory Work B (2)	Tehcnical Communication I · II (1+1)	Introduction to Engineering Analysis and Measurement I · II (1+1)			
2020 Fall 5th Semester	Structural Mechanics IA · IB (1+1)	Soil Mechanics IIA · IIB (1+1)	Mathematics for Planning I · II (1+1)	Hydraulics IIA · IIB (1+1)	Laboratory Work A (2)	Civil and Environmental Engineering Practice (2)	Engineering Mathematics I · II (1+1)	Japanese Industries I · II (2)	Fourier Analysis I · II (1+1)	Engineering Ethics I · II (1+1)	
2020 Spring 4th Semester	Construction Materials I · II (1+1)	Soil Mechanics IA · IB (1+1)	Environmental Economics I · II (1+1)	Environmental System Engineering I · II (1+1)	Hydraulics IA · IB (1+1)	Surveying and Mapping (3)	Solid Mechanics I · II (1+1)	Introduction to Metallic Materials I · II (1+1)	Complex Function Theory I · II (1+1)	Introduction to Information Processing I · II (1+1)	Inorganic Chensitry I · II (1+1)
2019 Fall 3rd Semester	Social infrastructure/ Structural system (Min. 8 credits)						Fulid Mechanics IA · IB (1+1)	Ordinary Differential Equation I · II (1+1)	Fundamentals of Electronics & Information Engineering I · II (1+1)		
2019 Spring 2nd Semester							Fundamentals of Electrical Engineering I · II (1+1)				
2018 Fall 1st Semester							Advanced Engineering I · II (1+1)				

Required credits

Civil core subject (compulsory) 28 credits

Labo & practice (compulsory) 8 credits

Common (compulsory) 32 credits (including Graduation Research 12 credits)

Civil core subject (elective) 2 or more credits from 6 credits

Labo & practice (elective)

Common (elective) 2 or more credits from 12 credits

Total

Compulsory; 68 credits

Elective; 4 or more credits

72 or more credits